

MARINE CORPS WARFIGHTING LABORATORY

The **MK-47 - Automatic Lightweight Grenade Launcher (ALGL)** is a lightweight, portable, 40mm grenade machine gun with an advance sight and fire control system that combine to give a gunner a high probability of first round target hits.

Background: The Marine Corps has a requirement for a 40mm grenade launcher that combines the firepower and lethality inherent to a heavy machine gun while preserving, as much as possible, the mobility and maneuverability of foot-mobile, infantry forces. Currently, the Marine Corps holds MK-19 40mm grenade launchers in its inventory. While doctrinally employable in offensive and defensive operations, the weight of the MK-19 (140 lbs.) and its ammunition restricts its use in the offense to when it can be mounted on a vehicle. The Marine Corps Warfighting Lab is experimenting to determine if the MK-47's total system weight of 85 lbs. combined with increased accuracy and lethality (with a potential for a commensurate reduction in ammunition load) make it a viable option for supporting foot-mobile offensive operations.

Description:

- Prototype 40mm grenade machine gun weighs 85 lbs. compared to 140 lbs for the MK-19.
- Low-recoil weapon system.
- Equipped with a computer processor and laser range finder that provide a fire solution for all weather day/night operations.
- Quick detach barrel for ease of transport.
- Fires all standard NATO 40mm linked grenades.
- Fires from an advanced, lightweight tripod and universal vehicle mount.
- Programmable airburst ammunition under development.

AUTOMATIC LIGHTWEIGHT GRENADE LAUNCHER

fact sheet



Deliverable: The MK-47 ALGL will be a candidate for transition as a replacement for the MK-19.

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